

Review

p101-104

#s9, 12-14, 20, 22, 24, 35, 37-45, 47, 50, 54

Line of best fit by hand

Ch 2 Review

2.1

Relation and Function  
Function?

1-1?

$$f(x) = 3x^2 - 2$$

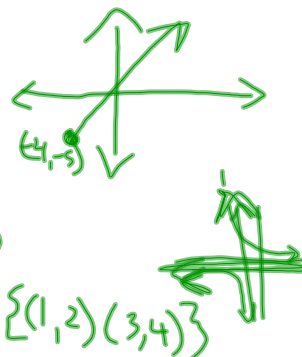
$$f(2) = 3(2)^2 - 2 = 10$$

Domain

Range

Graphs

Mappings



2-2 and 2-3

linear equations

slope

parallel

perpendicular

horizontal

vertical

standard form

graph

intercepts

slope

parallel lines

perpendicular lines

$$m = \frac{\Delta y}{\Delta x}$$

same slope  
opp. reciprocals  
 $m = 0$   
no slope undefined

Write the equation  
of the line  $\perp$  to  
the line containing  
 $(3, 0)$   $(3, 5)$ .  
Going thru  $(2, 1)$

$$\text{Std Form } Ax + By = C$$

2-4

Writing equations

point slope

2 points

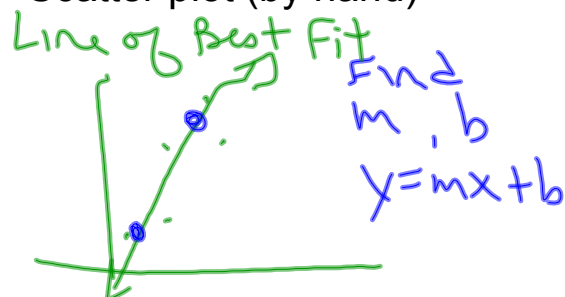
parallel

perpendicular

variation word problems

2-5

Scatter plot (by hand)



2-6

special functions

greatest integer  $[x]$ 

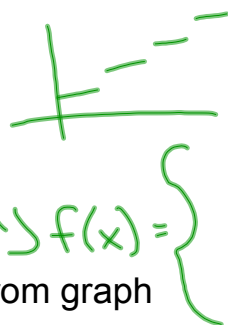
piecewise functions

absolute value

$$y = a|x - h| + k$$

write equation from graph

graph



2-7

Linear inequalities

dash/solid

shade